

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 March 2005 (03.03.2005)

PCT

(10) International Publication Number
WO 2005/019269 A2

(51) International Patent Classification⁷: **C07K 16/30**,
A61K 39/395, A61P 35/00, G01N 33/53, C12N 15/13,
15/63, 5/10, C07K 14/71

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BAMDAD, Cynthia**,
C. [US/US]; 356 Marlborough Street, #2, Boston, MA
02116 (US).

(21) International Application Number:

PCT/US2004/027954

(74) Agent: **OYER, Timothy, J.**; Wolf, Greenfield & Sacks,
600 Atlantic Avenue, Boston, MA 02210 (US).

(22) International Filing Date: 26 August 2004 (26.08.2004)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US (patent), UZ, VC, VN, YU,
ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/498,260 26 August 2003 (26.08.2003) US

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

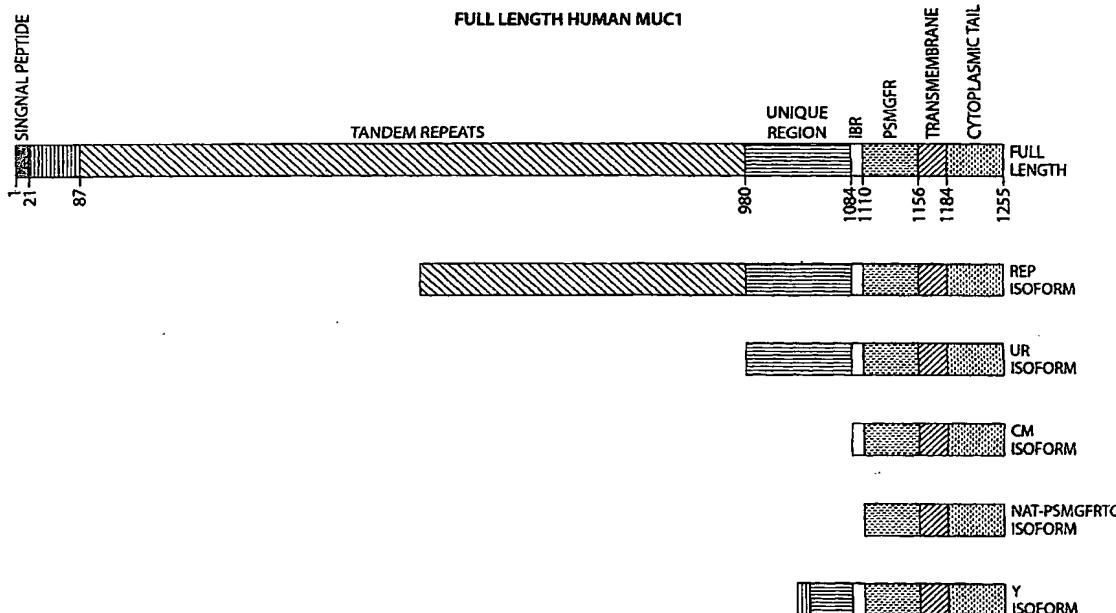
(63) Related by continuation (CON) or continuation-in-part
(CIP) to earlier application:

US 09/996,069 (CIP)
Filed on 27 November 2002 (27.11.2002)

(71) Applicant (for all designated States except US): **MIN-
ERVA BIOTECHNOLOGIES CORPORATION**
[US/US]; 6th Floor Rosenstiel Bldg., M/S 029, 415 South
Street, Waltham, MA 02454-9110 (US).

[Continued on next page]

(54) Title: TECHNIQUES AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT OF CANCER (MUC1)



WO 2005/019269 A2

(57) Abstract: The invention provides a series of compositions, methods, kits, articles and species associated primarily with the diagnosis and/or treatment of cell proliferation, specifically cancer. Cell proliferation associated with aberrant expression of MUC1 is particularly focused upon. Mechanisms associated with MUC1 cell proliferation are discussed.



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*